

=> file ca

=> s (macI and meiocyte?)/ab,bi

L1 0 (MACI AND MEIOCYTE?)/AB,BI

=> s (macI and (maize or corn or zea))/ab,bi

L2 0 (MACI AND (MAIZE OR CORN OR ZEA))/AB,BI

=> s macI/ab,bi

L3 7 MACI/AB,BI

=> file biosis

=> s l3

L4 14 MACI/AB,BI

=> dup rem

L5 21 DUP REM L3 L4 (0 DUPLICATES REMOVED)

=> d l5 ti py 1-21

=> d l5 4 6 10 12 15 20

L5 ANSWER 4 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:103647 BIOSIS

DN PREV2000000103647

TI The mac1 mutation alters the developmental fate of the hypodermal cells and their cellular progeny in the maize anther.

AU Sheridan, William F. (1); Golubeva, Elena A.; Abrhamova, Ludmila I.; Golubovskaya, Inna N.

CS (1) Department of Biology, University of North Dakota, Grand Forks, ND, 58202-9019 USA

SO Genetics, (Oct., 1999) Vol. 153, No. 2, pp. 933-941.

ISSN: 0016-6731.

DT Article

LA English

SL English

=> d l5 ab 4 6 10 12 15 20

=> file ca

=> s (sporogenesis or megasporogenesis or microsporocyte? or megasporocyte? or m

L6 525 (SPOROGENESIS OR MEGASPOROGENESIS OR MICROSPOROCTE? OR MEGASPOR OCYTE? OR MEIOCYTE?)/AB,BI

=> s (gene or genes)/ab,bi

L7 767181 (GENE OR GENES)/AB,BI

=> s l6(10a)l7

L8 31 L6(10A)L7

Biosis

Stat for 11

2/7/03

=> \$ 18

L9 48 L6(10A)L7

=> dup rem

L10 63 DUP REM L8 L9 (16 DUPLICATES REMOVED)

=> d l10 1-63 ti py

=> d l10 15-17 23 27 43

L10 ANSWER 15 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 6
AN 132:2069 CA
TI Molecular analysis of NOZZLE, a ***gene*** involved in pattern
formation and early ***sporogenesis*** during sex organ development in
Arabidopsis thaliana
AU Schiefthaler, Ursula; Balasubramanian, Sureshkumar; Sieber, Patrick;
Chevalier, David; Wisman, Ellen; Schneitz, Kay
CS Institute of Plant Biology, University of Zurich, Zurich, CH-8008, Switz.
SO Proceedings of the National Academy of Sciences of the United States of
America (1999), 96(20), 11664-11669
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 16 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 7
AN 131:318459 CA
TI The SPOROCTELESS ***gene*** of Arabidopsis is required for initiation
of ***sporogenesis*** and encodes a novel nuclear protein
AU Yang, Wei-Cai; Ye, De; Xu, Jian; Sundaresan, Venkatesan
CS The Institute of Molecular Agrobiolgy, National University of Singapore,
Singapore, 117604, Singapore
SO Genes & Development (1999), 13(16), 2108-2117
CODEN: GEDEEP; ISSN: 0890-9369
PB Cold Spring Harbor Laboratory Press
DT Journal
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 17 OF 63 CA COPYRIGHT 2003 ACS
AN 130:348061 CA
TI Arabidopsis STERILE APETALA, a multifunctional gene regulating
inflorescence, flower, and ovule development
AU Byzova, Marina V.; Franken, John; Aarts, Mark G. M.; De Almeida-Engler,
Janice; Engler, Gilbert; Mariani, Celestina; Van Lookeren Campagne,
Michiel M.; Angenent, Gerco C.
CS Department of Developmental Biology, Centre for Plant Breeding and
Reproduction Research (CPRO-DLO), Wageningen, 6700 AA, Neth.
SO Genes & Development (1999), 13(8), 1002-1014
CODEN: GEDEEP; ISSN: 0890-9369
PB Cold Spring Harbor Laboratory Press
DT Journal
LA English
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 23 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 8

TI TETRASPORE is required for male meiotic cytokinesis in Arabidopsis
thaliana
AU Spielman, Melissa; Preuss, Daphne; Li, Feng-Lan; Browne, William E.;
Scott, Rod J.; Dickinson, Hugh G.
CS Department of Plant Sciences, University of Oxford, Oxford, OX1 3RB, UK
SO Development (Cambridge, United Kingdom) (1997), 124(13), 2645-2657
CODEN: DEVPED; ISSN: 0950-1991
PB Company of Biologists
DT Journal
LA English

QL 951.D48

L10 ANSWER 27 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 9
AN 122:101859 CA
TI Genes pam1 and pam2 control cytokinesis at different stages of development
of maize sporogenous cells
AU Golubovskaya, I. N.; Avalkina, N. A.; Peremyslova, E. E.
CS Vavilov All-Russian Research Institute of Plant Industry, St. Petersburg,
190000, Russia
SO Genetika (Moscow) (1994), 30(10), 1392-9
CODEN: GNKAA5; ISSN: 0016-6758
PB MAIK Nauka
DT Journal
LA Russian

L10 ANSWER 43 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1987:484305 BIOSIS
DN BA84:118948
TI THE CHROMOSOMAL LOCATION OF A ***GENE*** MSG AFFECTING
MEGASPOROGENESIS IN DURUM WHEAT.
AU JOPPA L R; WILLIAMS N D; MAAN S S
CS AGRIC. RES. SERVICE, UNITED STATES DEP. AGRIC., AGRON. DEP., NORTH DAKOTA
STATE UNIV., FARGO, ND, USA 58105.
SO GENOME, (1987) 29 (4), 578-581.
CODEN: GENOE3.
FS BA; OLD
LA English

=> d 10 ab 18-22 24 29-31 33-34 37 39

L10 ANSWER 19 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AB Phenotypic effect of the ig gene (indetermine gametophyte) was studied.
This gene was introgressed into the maize line Embryonic marker from line
Wisconsin 23. Our results and data of literature allowed an assumption
that expression of the ig gene is independent of genotypic background.
Comparison of abnormal patterns observed on different stages of
gametophytogenesis showed that the main effect of the ig ***gene***
was disruption of the subcellular structure of ***megasporocyte***.
This process inhibits formation of the central vacuole after the first
mitotic division and, therefore, breaks the subsequent chain of events:
polarization, passage of mitotic cycles, cytokinesis, and cell
differentiation.

=> d 110 19 21 29 30 39

L10 ANSWER 19 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:266576 BIOSIS
DN PREV200000266576
TI Phenotypic expression of the ig mutation in megagametophyte of the maize

AU Enaleeva, N. Kh. (1); Ot'kalo, O. V. (1); Tyrnov, V. S. (1)
CS (1) Genetics Department, Saratov State University, Saratov, 410071 Russia
SO Genetika, (Feb., 1998) Vol. 34, No. 2, pp. 259-265. print..
ISSN: 0016-6758.
DT Article
LA Russian
SL English, Russian

L10 ANSWER 21 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1998:409452 BIOSIS
DN PREV199800409452
TI Altering sexual development in Arabidopsis.
AU Vielle-Calzada, Jean-Philippe; Moore, James M.; Gagliano, Wendy B.;
Grossniklaus, Ueli (1)
CS (1) Cold Spring Harbor Lab., P.O. Box 100, Cold Spring Harbor, NY 11724
USA
SO Journal of Plant Biology, (June, 1998) Vol. 41, No. 2, pp. 73-81.
DT General Review
LA English

L10 ANSWER 29 OF 63 CA COPYRIGHT 2003 ACS
AN 122:73527 CA
TI Characterization of cDNAs induced in meiotic prophase in lily
microsporocytes
AU Kobayashi, Toshiyuki; Kobayashi, Etsuko; Sato, Shusei; Hotta, Yasuo;
Miyajima, Nobuyuki; Tanaka, Ayako; Tabata, Satoshi
CS Sch. Sci., Nagoya Univ. Furoh-cho, Nagoya, 464-01, Japan
SO DNA Research (1994), 1(1), 15-26
CODEN: DARSE8; ISSN: 1340-2838
DT Journal
LA English

and
2/7/03

L10 ANSWER 30 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 10
AN 118:209505 CA
TI Evidence of meiosis-specific regulation of ***gene*** expression in
lily ***microsporocytes***
AU Tabata, Satoshi; Sato, Shusei; Watanabe, Yoshinori; Yamamoto, Masayuki;
Hotta, Yasuo
CS Sch. Sci., Nagoya Univ., Nagoya, 464-01, Japan
SO Plant Science (Shannon, Ireland) (1993), 89(1), 31-41
CODEN: PLSCE4; ISSN: 0168-9452
DT Journal
LA English

yeast
promoters
lily
cells

L10 ANSWER 39 OF 63 CA COPYRIGHT 2003 ACS
AN 113:110214 CA
TI Characterization of expressed meiotic prophase repeat transcript clones of
Lilium: meiosis-specific expression, relatedness, and affinities to small
heat shock protein genes
AU Bouchard, Robert A.
CS Dep. Biol., Coll. Wooster, Wooster, OH, 44691, USA
SO Genome (1990), 33(1), 68-79
CODEN: GENOE3; ISSN: 0831-2796
DT Journal
LA English

✓ printes

=> file uspatfull

=> s 18

L11 3 L6(10A)L7

L11, ANSWER 1 OF 3 USPATFULL
AN 1998:51934 USPATFULL
TI Process for modifying the production of carotenoids in plants, and DNA,
constructs and cells therefor
IN Bird, Colin Roger, Berkshire, United Kingdom
Grierson, Donald, Loughbrough, United Kingdom
Schuch, Wolfgang Walter, Berkshire, United Kingdom
PA Zeneca Limited, London, England (non-U.S. corporation)
PI US 5750865 19980512
AI US 1994-300582 19940902 (8)
RLI Continuation of Ser. No. US 1992-859523, filed on 12 Aug 1992, now
abandoned which is a continuation of Ser. No. US 1990-625664, filed on
13 Dec 1990, now abandoned
PRAI GB 1989-28179 19891213
DT

L11 ANSWER 2 OF 3 USPATFULL
AN 1998:22507 USPATFULL
TI Tapetum-specific promoters from Brassicaceae spp
IN Scott, Roderick John, 95 Martopp Road, Clarendon Pk, Leicester LE2 1 WG,
Great Britain
Draper, John, 10 Shirley Road, Stoneygate, Leicester LE2 2 LJ, Great
Britain
Paul, Wyatt, Flat 5, 74 Stoughton Rd., Leicester LE2 2EB, Great Britain
PI US 5723754 19980303
AI US 1995-417460 19950405 (8)
RLI Continuation of Ser. No. US 1993-78228, filed on 23 Aug 1993, now
abandoned
PRAI GB 1990-28060 19901224
DT

L11 ANSWER 3 OF 3 USPATFULL
AN 94:33144 USPATFULL
TI Modification of carotenoid production in tomatoes using pTOM5
IN Bird, Colin R., Berkshire, England
Grierson, Donald, Loughbrough, England
Schuch, Wolfgang W., Crowthorne, England
PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
PI US 5304478 19940419
AI US 1992-995950 19921228 (7)
RLI Continuation of Ser. No. US 1990-625664, filed on 13 Dec 1990, now
abandoned
PRAI GB 1989-28179 19891213
DT

=> d l11 1-3 ab

=> log y